

We claim:

*B1*  
3. Device according to Claim 1, characterised in that the measured variable is the flow rate of the compound.

*B2*  
5. Device according to Claim 1, 2, or 3, characterised in that  
- the device (10) comprises a transport instrument (16) for removing the compound extruded from the die (14),

- the sensing instrument (60a ; 60b ; 60c) is operatively coupled to a/the control instrument (62), and  
- the control instrument (62) is capable of controlling the transport instrument (16), as a function of at least one measured value determined by the sensing instrument (60a ; 60b ; 60c), in such a way that the transport velocity ( $v_t$ ) of the transport instrument (16) corresponds to the exit velocity ( $v_s$ ) of the compound from the die (14).

6. Device according to Claim 1, 2, or 3, characterised in that  
- the device (10) comprises a rotary instrument (26) having at least one rotatable die (14),

- the sensing instrument (60a ; 60b ; 60c) is operatively coupled to a/the control instrument (62), and  
- the control instrument (62) is capable of controlling the rotary instrument (26), as a function of at least one measured value determined by the sensing instrument (60a ; 60b ; 60c), in such a way that the exit velocity ( $v_s$ ) of the compound from the die (14) fluctuates minimally.

7. Device according to Claim 1, 2, or 3, characterised in that

- a feed instrument (12) is connected through a plurality of channels (24a ; 24b ; 24c)

to a die (14) having a plurality of outlet openings, and

- a sensing instrument (60a ; 60b ; 60c) is in each case arranged at the channels (24a ; 24b ; 24c) or at the outlet openings of the die (14).